

**Amendments to the Claims:**

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (canceled)
2. (currently amended) An image forming apparatus comprising ~~a laser scanning unit, wherein the laser scanning unit comprises:~~
  - a photosensitive drum;
  - a frame body forming a laser scanning unit;
  - a semiconductor laser for emitting operable to emit a laser beam, the semiconductor laser being installed inside the frame body;
  - a polygon mirror installed inside the frame body for causing the laser beam to scan on a photosensitive drum;
  - a motor for rotating operable to rotate the polygon mirror, thereby causing the laser beam to scan on the photosensitive drum, the motor being installed placed inside the frame body and having the polygon mirror mounted;
  - a motor mounting member mounting the motor and having a first heat generation ability;
  - a first circuit operable to drive the motor; and
  - a second circuit operable to drive the semiconductor laser;

~~a circuit board for packaging two circuits of a semiconductor laser drive circuit for controlling the driving of the semiconductor laser and a motor drive circuit for controlling the driving of the motor, the circuit board being provided outside the frame body in an area a predetermined distance apart from an area where the motor is placed in the frame body~~ provided outside the frame body in a substantially non-overlapping arrangement therewith and mounting the first circuit and the second circuit, the circuit board having a second heat generation ability which is smaller than the first heat generation ability;

~~a first flexible cable for electrically connecting the circuit board provided outside the frame body~~ the first circuit and the motor placed inside the frame body; and

~~a second flexible cable for electrically connecting the circuit board provided outside the frame body~~ the second circuit and the semiconductor laser installed inside the frame body.

3. (currently amended) The image forming apparatus according to claim 2, wherein the circuit board ~~comprises a circuit board made~~ is comprised of paper phenol ~~without heat radiation function.~~

4. (canceled)

5. (original) The image forming apparatus according to claim 2, wherein the semiconductor laser is mounted inside the frame body to be angularly adjustable by itself.

Claims 6-10 (canceled)

11. (previously presented) The image forming apparatus according to claim 2, wherein the frame body includes a hole through which the first flexible cable is disposed for connecting the circuit board and the motor.

12. (previously presented) The image forming apparatus according to claim 2, wherein each of the first and second flexible cables comprises a plurality of wires.

13. (previously presented) The image forming apparatus according to claim 2, wherein the laser scanning unit further comprises a scan start position detector for detecting a scan start position of the laser beam.

14. (previously presented) The image forming apparatus according to claim 13, wherein the scan start position detector comprises a photodiode.

15. (previously presented) The image forming apparatus according to claim 3, wherein the laser scanning unit further comprises a scan start position detector for detecting a scan start position of the laser beam.

16. (previously presented) The image forming apparatus according to claim 15, wherein the scan start position detector comprises a photodiode.